

ABSTRACT OF DISCLOSURE

A color combining optical system is disclosed, with which light of a plurality of colors can be combined while reducing the loss of light due to fluctuations in the incidence angle on a polarization color combining film. The color combining optical system, which combines a first color light and a second color light, includes a polarization color combining film made of a multilayer film. The polarization color combining film combines a first polarization component of the first color light and a second polarization component of the second color light, which has a polarization direction substantially perpendicular to the first polarization component, with an efficiency of 90% or more in a predetermined incidence angle range.

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